

ITEM 237



POTHOLE REPAIR

This Item shall govern for the repair of potholes, spalled areas, depressions, and raveled of damaged pavement edges in roadway surfaces.

PROCESS:

Permanent Pothole Repair jobs will include setting up work area for safety, marking area to be repaired, cutting and squaring-off the repair area, excavation when necessary, cleaning and removal of debris by use of broom and compressed air. Compaction of sub-grade, use of "Tacking" in repair area, supply of paving material (filling with "Bituminous hot mix") spreading and compaction of repair area, edge sealing and cleanup. Traffic controls during all pothole repairs are to include but not limited to traffic control devices and other barriers, cones and flag people in each direction of traffic flow, as in accordance with the Texas Manual on Unified Traffic Control Devices (TMUTCD).

MATERIALS:

The Contractor shall furnish all materials unless otherwise shown on the plans or approved by the City Engineer. The Contractor shall use materials that meet the requirements of the following Texas Department of Transportation (TxDOT) Standard Specifications and Material Specifications items unless otherwise approved by the City Engineer.

Standard Specifications:

Item 300: "Asphalt, Oils, and Emulsions"

Material Specifications:

DMS-9201: "Asphaltic Concrete Patching
Material (Performance Guaranty)"

CONSTRUCTION METHODS:

Work requests will be made on a callout basis. The Contractor shall begin physical repair within 24 hours of notification, within 3 hours Monday through Friday if an emergency mobilization is required, or as directed by the City Engineer. The contractor shall begin the repair of the work

requested on the weekend no later than the following Monday.

CONSTRUCTION METHODS:

1. Traffic Control – Shall include but not limited to traffic control devices and other barriers, cones and flag people in each direction of traffic flow, as in accordance with the Texas Manual on Unified Traffic Control Devices (TMUTCD).
2. Mark Patch boundaries – Washable paint shall be used to mark the perimeter of the repair.
3. Cut Boundaries – Cut and square the sides of the repair area by saw cutting, jack hammer or by other approved methods. Limits shall extend to sound pavement.
4. Excavation – Excavate to 4" depth (min.). Over-excavation may be required to achieve a stable base structure.
5. Clean and Repair Foundation – Remove loose and foreign material, clean and dry the repair area by use of broom and compressed air.
6. Measure Repair – Length, width and depth of the repair shall be measured in tenths of a foot.
7. Apply Tack Coat – Repair area floor and all side walls shall be tacked with Asphaltic material used for in Item 203, "Tack Coat" of the City of San Antonio Standard Specifications for Public Works Construction.
8. Apply Hot Mix Asphaltic Pavement – Apply Hot Mix Asphaltic Pavement in accordance with Item 300, The repair material shall be placed in horizontal lifts no more than 3 inches in depth and compacted.
9. Compaction – The Contractor shall finish to grade and compact to conform to the roadway surface. The surface shall be compacted with mechanical tampers, or rollers as directed and approved. Compaction of the surface shall achieve full consolidation. The compaction

equipment shall provide a high-frequency, low-amplitude and 3,500 – 5,000 lb. centrifugal compaction force.

10. Site Clean-up – The Contractor shall repair pavement edges to the line and grade of original pavement, clean roadway surface after repair operations, and dispose of materials removed as directed or approved by the City Engineer.
11. Reporting – The contractor shall provide the City Engineer with a report of the work performed to include the following elements, at a minimum: Date and Time of repair; Length, Width and depth of the repair shall be measured in tenths of a foot; location of repair (as detailed as possible), date, time, estimated quantity of Asphaltic concrete material used (in tons to two decimal points); operator's name(s).

MEASUREMENT:

Emergency mobilization will be measured by each emergency work request. Pothole repair will be measured by the square yard of surface area. For contracts with callout work but without emergency mobilization, the minimum quantity per callout respectively will be 5 square yards, unless otherwise noted on the plans or directed by the City Engineer.

Area. The surface area of repairs will be measured by the Square Yard to two decimal

points.

PAYMENT:

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Pothole Repair". This price shall be full compensation for removal and disposal of debris and excess material, surface preparation, application of tack coat, furnishing Hot Mix Asphaltic Concrete materials and for all labor, tools, equipment and incidentals necessary to complete the work. The price bid for emergency mobilization is full compensation for beginning work within 3 hours of notification. Emergency mobilization will be paid for in addition to pothole repair.

BID ITEMS:

Item 237.1: Pothole Repair - per square yard.

Item 237.2: Emergency Mobilization - per each